

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for sequentially outputting a portion full lines of dither values of a dither matrix stored in a memory, comprising the step of:

- (a) ~~determining a start position and an end position in the memory;~~
- (~~a~~b) reading a plurality of dither values of the dither matrix from the memory, commencing at ~~the~~ an initial start position in the memory until a full line of dither values of the dither matrix has been read; ~~and~~
- (~~b~~e) ~~outputting a portion of the plurality~~ the full line of dither values read in step (~~b~~a);
- (c) updating the initial start position to an updated start position in the memory of a subsequent line of dither values;
- (d) reading a plurality of dither values from the memory, commencing at the updated start position until the full subsequent line of dither values has been read;
- (e) outputting the full line of dither values read in step (d); and
- (f) repeating steps (c)-(e) until all lines of dither values of the dither matrix have been read and output.

2. (Currently Amended) A method according to claim 1, wherein a plurality of dither matrices are stored in the memory, and wherein ~~step (b) includes steps (a), (d) and (f)~~ include reading a plurality of dither values from at least two of the dither matrices simultaneously.

3. (Currently Amended) A method according to ~~claim 1~~ claim 2, wherein the dither matrices are of different sizes.

4. (Currently Amended) A method according to claim 1, wherein ~~the plurality of, in repeated step (c), it is determined whether dither values includes a full line of dither values for the dither matrix at an end position in the memory have been read, and if so, the updated start position is updated to the initial start position.~~

5. (Currently Amended) A method according to claim 2, wherein ~~the plurality of, in~~
repeated step (c), it is determined whether dither values includes a full line of dither values
at an end position in the memory have been read for each of the dither matrices, and if so,
the updated start position is updated to the initial start position.